



DUKE ENERGY CAROLINAS, LLC  
526 South Church St.  
Charlotte, NC 28202

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February 1, 2011

Jocelyn Boyd, Chief Clerk of the Commission  
Public Service Commission of South Carolina  
P. O. Drawer 11649  
Columbia, South Carolina 29211

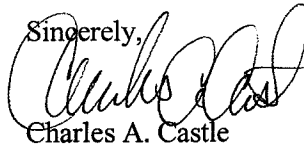
RE: Duke Energy Carolinas, LLC  
Docket No. 1989-9-E

Dear Jocelyn:

Pursuant to the Commission's Orders in the above captioned docket, enclosed for filing are the following reports for the month of December 2010:

1. Monthly Fuel Cost Report (Exhibit A).
2. Base Load Power Plant Performance Report (Exhibit B).

Should you have any questions regarding this matter, please contact Brian Franklin at 980.373.4465.

Sincerely,  
  
Charles A. Castle

pa

Enclosures

cc: Office of Regulatory Staff  
Dan Arnett, Chief of Staff  
Shannon Hudson, Staff Attorney  
Jeff Nelson, Staff Attorney  
John Flitter

South Carolina Energy Users Committee  
Scott Elliott, Esquire

Brian L. Franklin

DUKE ENERGY CAROLINAS  
SUMMARY OF MONTHLY FUEL REPORT  
SC Code Ann. §58-27-865 (Supp. 2010)

Line No.	Fuel Expenses:	December 2010
1	Fuel and fuel-related costs	\$ 183,062,260
2	Less fuel expenses (in line 1) recovered through intersystem sales (a)	5,381,738
3	Total fuel and fuel-related costs (line 1 minus line 2)	<u>\$ 177,680,522</u>
	MWH sales:	
4	Total system sales.	7,231,703
5	Less intersystem sales	109,092
6	Total sales less intersystem sales	<u>7,122,611</u>
7	Total fuel and fuel-related costs (¢/KWH) (c) (line 3/line 6)	<u>2.4946</u>
8	Current fuel and fuel-related cost component (¢/KWH) (per Schedule 4, Line 2 + Line 8)	<u>2.0968</u>
	Generation Mix (MWH):	
	Fossil (by primary fuel type):	
9	Coal	3,932,972
10	Biomass	271
11	Fuel Oil	(1,018)
12	Natural Gas	10,114
13	Total fossil	<u>3,942,339</u>
14	Nuclear 100%	5,411,063
15	Hydro - Conventional	147,919
16	Hydro - Pumped storage	(39,265)
17	Total hydro	<u>108,654</u>
18	Solar Distributed Generation	528
19	Total MWH generation	9,462,584
20	Less joint owners' portion	1,404,371
21	Adjusted total MWH generation	<u>8,058,213</u>
	(a) Line 2 includes:	
	Fuel from intersystem sales (Schedule 3)	\$ 5,335,133
	Fuel in loss compensation	46,605
	Total fuel recovered from intersystem sales	<u>\$ 5,381,738</u>

DUKE ENERGY CAROLINAS  
DETAILS OF FUEL AND FUEL-RELATED COSTS  
SC Code Ann. §58-27-865 (Supp. 2010)

Fuel and fuel-related costs:	<u>December 2010</u>
Steam Generation - FERC Account 501	
0501110 coal consumed - steam	\$ 147,311,446
0501222, 0501223 biomass/test fuel consumed (@ avoided fuel cost)	10,863
0501310 fuel oil consumed - steam	263,624
0501330 fuel oil light-off - steam	<u>1,027,469</u>
Total Steam Generation - Account 501	<u>148,613,402</u>
Environmental Costs	
0509000, 0557451 emission allowance expense	9,616
0502020, 030, 040 reagents expense	2,356,696
Emission allowance gains	-
Total Environmental Costs	<u>2,366,312</u>
Nuclear Generation - FERC Account 518	
0518100 burnup of owned fuel	23,034,377
0518600 nuclear fuel disposal cost	<u>5,077,623</u>
Total Nuclear Generation - 100%	28,112,000
Less joint owners' portion	<u>7,182,342</u>
Total Nuclear Generation - Account 518	<u>20,929,658</u>
Other Generation - FERC Account 547	
0547100 natural gas consumed	550,150
0547200 fuel oil consumed - CT	<u>(731,433)</u>
Total Other Generation - Account 547	<u>(181,284)</u>
Solar Distributed Generation @ Avoided Fuel Cost	25,907
Total fossil and nuclear fuel expenses included in base fuel component	171,753,995
Fuel related component of purchased and interchange power per Schedule 3	9,050,396
Fuel related component of purchased power (economic accrual)	<u>2,257,868</u>
Total fuel and fuel-related costs	<u>\$ 183,062,260</u>

DUKE ENERGY CAROLINAS  
DETAILS OF FUEL AND FUEL-RELATED COSTS  
SC Code Ann. §58-27-865 (Supp. 2010)

Other fuel expenses not included in fuel and fuel-related costs:	<u>December 2010</u>
Net proceeds from sale of by-products	\$ 850,018
0501223 biomass avoided fuel cost excess	-
0518610 spent fuel canisters-accrual	226,224
0518620 canister design expense	(57,237)
0518700 fuel cycle study costs	69,028
Non-fuel component of purchased and interchanged power	<u>9,352,142</u>
Total other fuel expenses not included in fuel and fuel-related costs:	\$ 10,440,174
Less Solar Distributed Generation @ Avoided Fuel Cost	(25,907)
Adjusted total other fuel expenses not included in fuel and fuel-related costs:	<u>\$ 10,414,267</u>
Total FERC Account 501 - Total Steam Generation	148,613,402
Total FERC Account 518 - Total Nuclear Generation	21,167,673
Total FERC Account 547 - Other Generation	(181,284)
Total Reagents Expense	2,356,696
Total Gain/Loss from Sale of By-Products	850,018
Total Emission Allowance Expense	9,616
Total Gain/Loss from Sale of Emission Allowances	-
Total Purchased and Interchanged Power Expenses	20,660,406
Total Fuel, Fuel Related and Purchased Power Expenses	<u>\$ 193,476,527</u>

**DUKE ENERGY CAROLINAS  
PURCHASED POWER AND INTERCHANGE  
SOUTH CAROLINA**

**DECEMBER 2010**

Schedule 3, SC, Purchases, Month  
Exhibit A, Page 1 of 4

Purchased Power		Total	Capacity		Non-Capacity		
Marketers, Utilities, Other		\$	MW	\$	MWH	Fuel \$	Non-Fuel \$
Alcoa Power Generating Inc.	\$	57,995	-	\$ -	1,451	\$ 35,377	\$ 22,618
Blue Ridge Electric Membership Corp.		2,722,463	86	1,130,285	54,755	971,229	620,949
Calpine Power Services Marketing		745,961	-	-	13,173	455,036	290,925
Cargill Power Marketers LLC		6,016	-	-	188	3,670	2,346
City of Kings Mtn		8,979	3	8,979	-	-	-
Cobb Electric Membership Corp.		12,074	-	-	338	7,365	4,709
ConocoPhillips Company		26,009	-	-	1,040	15,865	10,144
Constellation		130,356	-	-	3,127	79,517	50,839
Haywood Electric		513,969	20	199,556	9,459	191,792	122,621
Lockhart Power Co.		19,272	7	19,272	-	-	-
MISO		36	-	-	-	22	14
Morgan Stanley Capital Group		3,990	-	-	114	2,434	1,556
NCEMC		6,463	-	-	646	(6,870)	13,333
NCMPA		3,861,602	-	-	89,702	1,926,869	1,934,733
Piedmont Electric Membership Corp.		1,407,379	42	571,725	28,063	509,749	325,905
PJM Interconnection LLC		3,639,928	-	-	63,920	2,220,356	1,419,572
Progress Energy Carolinas		-	-	-	-	21,374	(21,374)
Rutherford Electric Membership Corp.		5,322	-	-	224	3,246	2,076
SC Electric & Gas		(64,863)	-	-	(4,653)	(39,566)	(25,297)
SPCO - Rowan		1,359,716	456	1,359,716	-	-	-
The Energy Authority		509,206	-	-	13,929	310,616	198,590
Town of Dallas		584	-	584	-	-	-
Town of Forest City		20,148	7	20,148	-	-	-
TVA		150,205	-	-	3,219	91,625	58,580
Generation Imbalance		213,605	-	-	4,674	124,044	89,561
Energy Imbalance - Purchases		211,140	-	-	1,974	128,796	82,344
Energy Imbalance - Sales		(113,685)	-	-	-	(98,759)	(14,926)
	\$	15,453,870	621	\$ 3,310,265	285,343	\$ 6,953,787	\$ 5,189,818

Purchased Power		Total	Capacity		Non-Capacity		
Cogen, Purpa, Small Power Producers		\$	MW	\$	MWH	Fuel \$	Non-Fuel \$
203 Neotrantor, LLC	\$	49	-	\$ -	1	\$ -	\$ 49
Advantage Investment Group, LLC		436	-	-	7	-	436
AKS Real Estate Holdings, LLC		18	-	-	0	-	18
Alamance Hydro, LLC		2,478	-	-	47	-	2,478
Amelia M. Collins		9	-	-	0	-	9
Andrews Truss Inc.		38	-	-	1	-	38
Anna L. Reilly		21	-	-	0	-	21
Aquenergy		23,402	-	-	997	-	23,402
Arnold Schechter		11	-	-	0	-	11
Berjouhi Keshguerian		21	-	-	0	-	21
Bernd Schneitler		48	-	-	1	-	48
Biomerieux Inc.		505	-	-	8	-	505
Black Hawk Inc.		45	-	-	1	-	45
Branch, James David Dr		39	-	-	1	-	39
Byron P. Matthews		13	-	-	0	-	13
Catawba County		52,775	-	-	1,676	-	52,775
Chapel Hill Tire Co.		90	-	-	1	-	90
Charles Brandon Mitchell		24	-	-	0	-	24
Cherokee County Cogeneration Partners		4,105,686	-	1,405,632	48,027	1,596,528	1,103,526
Clark H. Mizell		35	-	-	1	-	35
Cliffside Mills, LLC		6,829	-	-	118	-	6,829
Converse Energy		4,499	-	-	82	-	4,499
CPIM, LLC		10	-	-	0	-	10
Daniel L. Kerns		156	-	-	3	-	156
Dave K. Birkhead		9	-	-	0	-	9
David A. Ringenburg		23	-	-	0	-	23
David Boyer		25	-	-	0	-	25
David E. Shi		7	-	-	0	-	7
David H. Newman		8	-	-	0	-	8
David M. Thomas		35	-	-	1	-	35
David W. Walters		22	-	-	0	-	22
David Wiener		17	-	-	0	-	17

DECEMBER 2010

Schedule 3, SC, Purchases, Month  
Exhibit A, Page 2 of 4

Purchased Power Cogen, Purpa, Small Power Producers	Total \$	Capacity		Non-Capacity		
		MW	\$	MWH	Fuel \$	Non-Fuel \$
Davidson Gas Producers, LLC	43,749	-	-	667	32,745	11,004
Decision Support	(270)	-	-	(2)	-	(270)
Delta Products Corp.	142	-	-	2	-	142
Diann M. Barbacci	2	-	-	0	-	2
Dirk J. Spruyt	21	-	-	0	-	21
Earnhardt-Childress Racing Technologies, LLC	219	-	-	4	-	219
Edward W. Witkin	33	-	-	1	-	33
Ernest E. McConnell	4	-	-	0	-	4
Fogleman Construction Inc.	18	-	-	0	-	18
Frances L. Thomson	32	-	-	1	-	32
Gail D. Schmidt	20	-	-	0	-	20
Gas Recovery Systems, LLC	160,383	-	-	2,438	119,725	40,658
George Franklin Fralick	17	-	-	0	-	17
Gerald Priebe	16	-	-	0	-	16
Gerald W. Meisner	19	-	-	0	-	19
Greenville Gas Producer, LLC	98,289	-	-	2,002	98,279	10
Gwenyth T. Reid	18	-	-	0	-	18
H. Malcolm Hardy	15	-	-	0	-	15
Haneline Power, LLC	2,590	-	-	44	-	2,590
Haw River Hydro Co.	7,581	-	-	235	-	7,581
Hayden-Harman Foundation	9	-	-	0	-	9
Hendrik J. Rodenburg	18	-	-	0	-	18
Henry Jay Becker	23	-	-	0	-	23
HMS Holdings Limited Partnership	259	-	-	4	-	259
Holzworth Holdings	6	-	-	0	-	6
Innovative Solar Solutions	16	-	-	0	-	16
Irvine River Company	18,357	-	-	304	-	18,357
Jafasa Farms	85	-	-	1	-	85
James B. Sherman	2	-	-	0	-	2
James J. Boyle	24	-	-	0	-	24
James L. Johnson	13	-	-	0	-	13
James Richard Trevathan	13	-	-	0	-	13
Jeffery Lynn Pardue	22	-	-	0	-	22
Jerome Levit	4	-	-	0	-	4
Jody Fine	9	-	-	0	-	9
Joel L. Hager	28	-	-	0	-	28
John B. Robbins	52	-	-	1	-	52
John H. Diliberti	61	-	-	1	-	61
John J. Hammiller	30	-	-	0	-	30
Keith Adam Smith	12	-	-	0	-	12
KMBA, LLC	56	-	-	1	-	56
Lamar Bailes	23	-	-	0	-	23
Laura J. Ballance	29	-	-	0	-	29
Leon's Beauty School Inc.	198	-	-	3	-	198
Linda Alexander	11	-	-	0	-	11
Marilyn M. Norfolk	16	-	-	0	-	16
Mark A. Powers	5	-	-	0	-	5
Mark S. Trustin	8	-	-	0	-	8
Mary K. Nicholson	20	-	-	0	-	20
Matthew T. Ewers	9	-	-	0	-	9
Mayo Hydropower	16,749	-	-	316	-	16,749
Michael G. Hitchcock	48	-	-	1	-	48
Mill Shoals Hydro	3,510	-	-	176	-	3,510
MP Durham, LLC	98,814	-	-	1,704	83,652	15,162
Mr. Lawrence B. Miller	19	-	-	0	-	19
Northbrook Carolina Hydro	99,195	-	-	1,722	-	99,195
Oakdale Holding, LLC	103	-	-	2	-	103
Oenophilia	86	-	-	1	-	86
Optima Engineering	51	-	-	1	-	51
Pacifica HOA	33	-	-	1	-	33
Paul C. Kuo	21	-	-	0	-	21
Paul G. Keller	21	-	-	0	-	21
Pelzer Hydro	20,392	-	-	549	-	20,392
Peter J. Jarosak	8	-	-	0	-	8
Philip E. Miner	36	-	-	1	-	36
Phillip B. Caldwell	17	-	-	0	-	17

**DECEMBER 2010**

**Schedule 3, SC, Purchases, Month  
Exhibit A, Page 3 of 4**

Purchased Power Cogen, Purpa, Small Power Producers	Total \$	Capacity		Non-Capacity		
		MW	\$	MWH	Fuel \$	Non-Fuel \$
Pickins Mill Hydro, LLC	12,402	-	-	208	-	12,402
Pippin Home Designs Inc.	9	-	-	0	-	9
PRS-PK Engines, LLC	399	-	-	6	-	399
R. Lawrence Ashe, Jr.	28	-	-	0	-	28
Rajah Y. Chacko	11	-	-	0	-	11
Rajendra Morey	14	-	-	0	-	14
Ramona L. Sherwood	26	-	-	0	-	26
Raylen Vineyards Inc.	60	-	-	1	-	60
Rebecca G. Laskody	22	-	-	0	-	22
Rebecca T. Cobey	8	-	-	0	-	8
Ron B. Rozzelle	29	-	-	0	-	29
Ronald R. Butters	26	-	-	0	-	26
Rousch & Yates Racing Engines, LLC	177	-	-	3	-	177
Russell Von Stein	9	-	-	0	-	9
Salem Energy Systems, LLC	137,281	-	-	2,431	-	137,281
Samuel B. Moore	15	-	-	0	-	15
Samuel C. Bingham	25	-	-	0	-	25
Samuel C. Province	68	-	-	1	-	68
Scot Friedman	30	-	-	0	-	30
Shawn Slome	10	-	-	0	-	10
South Yadkin Power Inc.	3,335	-	-	58	-	3,335
Spray Cotton Mills	2,454	-	-	60	-	2,454
Stanley Chamberlain	23	-	-	0	-	23
Steve Mason Ent. Inc.	(2,565)	-	-	(72)	-	(2,565)
Steven D. Holdaway	24	-	-	0	-	24
Steven Graf	30	-	-	0	-	30
Stewart A. Bible	8	-	-	0	-	8
Strates Inc.	30	-	-	0	-	30
Sun Capital Inc.	132	-	-	2	-	132
Sun Edison, LLC	26,442	-	-	390	19,149	7,293
Susan Bishop McCracken	34	-	-	1	-	34
Susan E. Reynolds	25	-	-	0	-	25
T.S. Designs Inc.	50	-	-	1	-	50
The Rocket Shop, LLC	11	-	-	0	-	11
Theresa S. Greene	9	-	-	0	-	9
Thomas Christopher	15	-	-	0	-	15
Thomas Knox Worde	13	-	-	0	-	13
Thomas W. Bates	16	-	-	0	-	16
Timberlyne	126	-	-	2	-	126
Tony M. Smith	19	-	-	0	-	19
Town of Chapel Hill	12	-	-	0	-	12
Town Of Lake Lure	11,709	-	-	268	-	11,709
W B Moore Co of Char	498	-	-	6	-	498
W. Jefferson Holt	(314)	-	-	(3)	-	(314)
Wallace & Graham, PA	789	-	-	13	-	789
Walter C. McGervey	8	-	-	0	-	8
White Oak of Saluda, LLC	29	-	-	0	-	29
William P. Miller	28	-	-	0	-	28
William Terry Baker	27	-	-	0	-	27
Yves Naar	28	-	-	0	-	28
	<b>\$ 4,962,495</b>	<b>-</b>	<b>\$ 1,405,632</b>	<b>64,550</b>	<b>\$ 1,950,078</b>	<b>\$ 1,606,785</b>
<b>TOTAL PURCHASED POWER</b>	<b>\$ 20,416,365</b>	<b>621</b>	<b>\$ 4,715,897</b>	<b>349,893</b>	<b>\$ 8,903,865</b>	<b>\$ 6,796,603</b>
<b>INTERCHANGES IN</b>						
Other Catawba Joint Owners	6,707,801	-	-	705,751	3,725,332	2,982,469
Total Interchanges In	<b>\$ 6,707,801</b>	<b>-</b>	<b>\$ -</b>	<b>705,751</b>	<b>\$ 3,725,332</b>	<b>\$ 2,982,469</b>
<b>INTERCHANGES OUT</b>						
Other Catawba Joint Owners	(6,463,760)	(866)	(134,209)	(677,932)	(3,578,801)	(2,750,750)
Catawba- Net Negative Generation	-	-	-	-	-	-
Total Interchanges Out	<b>\$ (6,463,760)</b>	<b>(866)</b>	<b>\$ (134,209)</b>	<b>(677,932)</b>	<b>\$ (3,578,801)</b>	<b>\$ (2,750,750)</b>
<b>Net Purchases and Interchange Power</b>	<b>\$ 20,660,406</b>	<b>(245)</b>	<b>\$ 4,581,688</b>	<b>377,712</b>	<b>\$ 9,050,396</b>	<b>\$ 7,028,322</b>

DUKE ENERGY CAROLINAS  
INTERSYSTEM SALES\*  
SOUTH CAROLINA

December 2010

Schedule 3, SC, Sales, Month  
Exhibit A, Page 4 of 4

SALES	TOTAL CHARGES	CAPACITY		ENERGY		
		MW	\$	MWH	FUEL \$	NON-FUEL \$
<b>Utilities:</b>						
SC Public Service Authority - Emergency	\$ 69,691	-	\$ -	1,186	\$ 49,507	\$ 20,184
<b>Market Based:</b>						
American Electric Power Services Corp.	-	-	-	-	(105)	105
Cargill-Alliant, LLC	-	-	-	-	(4,287)	4,287
CitiGroup Energy Inc	-	-	-	-	(70)	70
Cobb Electric Membership Corp	73,342	-	-	866	43,557	29,785
ConocoPhillips Company	-	-	-	-	(157)	157
Constellation Power Sources	42,806	-	-	697	22,377	20,429
East Kentucky Power Coop.	-	-	-	-	(345)	345
Exelon Generation Company	-	-	-	-	(136)	136
Florida Power & Light	13,520	-	-	237	11,825	1,695
Florida Power Corp.	48,784	-	-	640	31,561	17,223
Fortis Energy Marketing	-	-	-	-	(14)	14
Merrill Lynch Commodities, Inc.	-	-	-	-	(128)	128
MISO	173,778	-	-	3,869	196,681	(22,903)
Morgan Stanley	-	-	-	-	(38)	38
NCEMC	165,696	-	-	2,000	91,094	74,602
NCEMC (Generator/Instantaneous)	381,423	25	125,000	4,029	197,382	59,041
NCMPA #1	241,023	50	216,500	342	16,897	7,626
NCMPA #1 - Rockingham	157,500	50	157,500	-	(2,956)	2,956
Oglethorpe	22,350	-	-	425	16,531	5,819
PJM Interconnection LLC	4,221,179	-	-	67,703	3,302,868	918,311
Power South Coop	18,000	-	-	400	14,085	3,915
Progress Energy Carolinas	556,730	-	-	8,015	392,072	164,658
SC Electric & Gas Market based	1,541,160	-	-	6,052	312,621	1,228,539
Southern	-	-	-	-	(7,612)	7,612
The Energy Authority	1,356,028	-	-	12,848	657,258	698,770
TVA	42,000	-	-	700	31,384	10,616
VEPCO	-	-	-	-	(124)	124
<b>Other:</b>						
Generation Imbalance	(127,638)	-	-	(917)	(36,595)	(91,043)
BPM Transmission	(546,921)	-	-	-	-	(546,921)
<b>Total Intersystem Sales</b>	<b>\$ 8,450,451</b>	<b>125</b>	<b>\$ 499,000</b>	<b>109,092</b>	<b>\$ 5,335,133</b>	<b>\$ 2,616,318</b>

\* Sales for resale other than native load priority.

NOTE(S): Detail amounts may not add to totals shown due to rounding.



**Duke Energy Carolinas**  
**Over / (Under) Recovery of Fuel Costs**  
**December 2010**  
**SC Code Ann. §58-27-865**

Line No.			Residential	Commercial	Industrial	Total
1	S.C. Retail kWh sales	Input	666,703,490	470,908,029	672,088,568	1,809,700,087
<b>Base fuel component of recovery</b>						
2	Billed base fuel rate (¢/kWh)	Input	2.0625	2.0625	2.0625	2.0625
3	Billed base fuel expense	L1 * L2 / 100	\$13,750,759	\$9,712,478	\$13,861,827	\$37,325,064
4	Incurred base fuel rate (¢/kWh)	Input	2.4304	2.4304	2.4304	2.4304
5	Incurred base fuel expense	L1 * L4 / 100	\$16,203,552	\$11,444,942	\$16,334,431	\$43,982,925
6	Difference in ¢/kWh (Billed - Incurred)	L2 - L4	(0.3679)	(0.3679)	(0.3679)	(0.3679)
7	Base fuel over/(under) recovery	L1 * L6 / 100	<b>(\$2,452,802)</b>	<b>(\$1,732,471)</b>	<b>(\$2,472,614)</b>	<b>(\$6,657,887)</b>
<b>Environmental component of recovery</b>						
8	Billed rates by class (¢/kWh)	Input	0.0445	0.0327	0.0253	0.0343
9	Billed environmental expense	L8 * L1 / 100	\$296,683	\$153,987	\$170,038	\$620,708
10	Incurred rate by class (¢/kWh)	Input	0.0372	0.0362	0.0252	0.0325
11	Incurred environmental expense	L10 * L1 / 100	\$248,316	\$170,238	\$169,587	\$588,141
12	Difference in ¢/kWh (Billed - Incurred)	L8 - L10	0.0073	(0.0035)	0.0001	0.0018
13	Environmental over/(under) recovery	L9 - L11	<b>\$48,367</b>	<b>(\$16,251)</b>	<b>\$451</b>	<b>\$32,567</b>
<b>Economic purchase component of recovery</b>						
14	S.C. kWh sales % by class	L1 / L1T	36.84%	26.02%	37.14%	100.00%
15	Economic purchase accrual	L15T * L14	<b>(\$211,345)</b>	<b>(\$149,278)</b>	<b>(\$213,052)</b>	<b>(\$573,675)</b>
<b>Total over/(under) recovery</b>						
16	Current month	L7 + L13 + L15	<b>(\$2,615,780)</b>	<b>(\$1,898,000)</b>	<b>(\$2,685,215)</b>	<b>(\$7,198,995)</b>

17	Cumulative over / (under) recovery	Cumulative	Residential	Commercial	Industrial	Total Company
	Balance ending May 2010 _J2	\$57,028,206				
	June	\$45,149,223	(\$3,621,374)	(\$3,269,493)	(\$4,988,116)	(\$11,878,983)
	July	33,013,769	(4,490,744)	(3,393,752)	(4,250,958)	(12,135,454)
_J1	August	24,135,829	(3,135,732)	(2,452,885)	(3,289,323)	(8,877,940)
	September	22,247,423	(636,960)	(539,228)	(712,218)	(1,888,406)
	October	25,104,521	773,978	843,626	1,239,494	2,857,098
	November	25,684,690	148,795	154,749	276,625	580,169
	December	18,485,695	(\$2,615,780)	(\$1,898,000)	(\$2,685,215)	(7,198,995)
	January					
	February					
	March					
	April					
	May					

\_J1 Prior period adjustments recalculated using appropriate period sales; therefore, detail calculations not shown.

\_J2 May 2010 ending balance reflects the economic purchase adjustment for review period ended 5/31/2010 pursuant to Docket 2010-3-E.

DUKE ENERGY CAROLINAS  
FUEL AND FUEL RELATED COST REPORT  
December 2010

Description	Allen Steam	Belews Creek Steam	Buck Steam/CT	Buzzard Roost CT	Catawba Nuclear	Cliffside Steam	Dan River Steam/CT	Lee Steam/CT	Lincoln CT	Marshall Steam	McGuire Nuclear	Mill Creek CT	Oconee Nuclear	Riverbend Steam/CT	Rockingham CT	Current Month	Total 12 ME December 2010
<b>Cost of Fuel Received</b>																	
Coal	\$8,946,863	\$48,216,784	\$2,613,505			\$5,983,180	\$917,031	\$2,181,302		\$32,265,593				\$2,085,883		\$101,210,142	\$1,257,963,340
Biomass	-	-	-			-	-	-		-				-	-	-	671,932
Fuel Oil	416,762	250,430	-	-		79,234	-	284,133		-				135,298	-	1,455,464	17,876,574
Gas	-	-	372	-		-	350	257,999	(4,563)	289,608		714		600	294,678	550,150	36,920,328
<b>Total</b>	<b>\$7,363,626</b>	<b>\$48,467,214</b>	<b>\$2,613,877</b>	<b>\$0</b>		<b>\$6,062,414</b>	<b>\$917,381</b>	<b>\$2,723,433</b>	<b>(\$4,563)</b>	<b>\$32,555,201</b>		<b>\$714</b>		<b>\$2,221,781</b>	<b>\$294,678</b>	<b>\$103,215,756</b>	<b>1,313,432,174</b>
<b>Received (#/MBTU) Avg</b>																	
Coal	423.84	396.45	384.23			350.33	389.70	384.87		358.84				359.53		381.01	377.19
Biomass	-	-	-			-	-	-		-				-	-	-	471.99
Fuel Oil	1,834.26	1,864.01	-	-		1,886.08	-	1,820.90	-	1,821.55		-		1,832.81	-	1,836.73	1,612.98
Gas	-	-	-	-		-	-	789.23	(B)	-		-		-	357.35	477.76	518.36
<b>Weighted Average</b>	<b>443.12</b>	<b>398.07</b>	<b>384.16</b>	<b>-</b>		<b>354.09</b>	<b>389.85</b>	<b>442.80</b>	<b>-</b>	<b>361.42</b>		<b>-</b>		<b>378.14</b>	<b>357.35</b>	<b>385.74</b>	<b>384.17</b>
<b>Cost of Fuel Burned(\$ (A))</b>																	
Coal	\$21,761,066	\$60,660,336	\$964,327			\$12,335,489	\$1,967,938	\$1,700,549		\$43,238,900				\$4,682,841		\$147,311,446	\$1,435,606,624
Biomass	-	-	10,863			-	-	-		-				-	-	10,863	548,495
Fuel Oil (C)	296,226	168,724	126,158	(912,382)		6,216	113,892	189,502	-	161,452		3,564		244,322	146,847	559,661	16,472,311
Gas	-	-	372	-		-	350	257,999	(4,563)	-		714		600	294,678	550,150	36,920,328
Nuclear	-	-	-	-	8,894,100	-	-	-	-	-	8,935,359	-	10,282,540	-	-	28,111,999	296,493,970
<b>Total</b>	<b>\$22,057,292</b>	<b>\$60,829,060</b>	<b>\$1,101,720</b>	<b>(\$912,382)</b>	<b>\$8,894,100</b>	<b>\$12,341,705</b>	<b>\$2,082,180</b>	<b>\$2,148,050</b>	<b>(\$4,563)</b>	<b>\$43,400,352</b>	<b>\$8,935,359</b>	<b>\$4,278</b>	<b>\$10,282,540</b>	<b>\$4,927,763</b>	<b>\$441,525</b>	<b>\$178,544,119</b>	<b>\$1,786,041,728</b>
<b>Burned (#/MBTU) Avg</b>																	
Coal	403.62	426.04	115.36			405.38	323.97	218.49		382.77				472.78		396.20	376.59
Biomass	-	-	311.71			-	-	-		-				-	-	311.71	488.39
Fuel Oil	1,802.19	1,740.32	1,609.98	-		1,781.09	1,639.68	1,585.53	-	1,707.04		897.73		1,624.48	1,673.47	644.14	1,485.43
Gas	-	-	-	-		-	-	789.23	(B)	-		-		-	357.35	477.76	518.36
Nuclear	-	-	-	-	51.81	-	-	-	-	-	51.65	-	52.59	-	-	52.04	49.90
<b>Weighted Average</b>	<b>407.88</b>	<b>426.94</b>	<b>130.03</b>	<b>-</b>	<b>51.81</b>	<b>405.53</b>	<b>338.90</b>	<b>261.02</b>	<b>-</b>	<b>383.88</b>	<b>51.65</b>	<b>1,077.58</b>	<b>52.59</b>	<b>490.07</b>	<b>483.94</b>	<b>193.14</b>	<b>181.55</b>
<b>Generated (#/kWh) Avg</b>																	
Coal	3.99	3.89	1.07			3.96	3.59	2.43		3.57				5.15		3.75	3.63
Biomass	-	-	4.00			-	-	-		-				-	-	4.00	6.01
Fuel Oil	-	-	(B)	(B)		-	(B)	INF.	(B)	-		(B)		(B)	20.17	(B)	(B)
Gas	-	-	-	-		-	-	7.88	-	-		-		-	4.31	5.44	6.03
Nuclear	-	-	-	-	0.51	-	-	-	-	-	0.52	-	0.53	-	-	0.52	0.50
<b>Weighted Average</b>	<b>4.04</b>	<b>3.91</b>	<b>1.22</b>	<b>(B)</b>	<b>0.51</b>	<b>3.97</b>	<b>3.80</b>	<b>2.94</b>	<b>(B)</b>	<b>3.58</b>	<b>0.52</b>	<b>(B)</b>	<b>0.53</b>	<b>5.42</b>	<b>5.84</b>	<b>1.89</b>	<b>1.80</b>
<b>Burned MBTU's</b>																	
Coal	5,391,413	14,238,147	835,948			3,042,982	607,442	778,309		11,296,328				990,488		37,181,057	381,214,786
Biomass	-	-	3,485			-	-	-		-				-	-	3,485	112,307
Fuel Oil	16,437	9,695	7,836	-		349	6,946	11,952	-	9,458		397		15,040	8,775	86,885	1,108,928
Gas	-	-	-	-		-	-	32,690	-	-		-		-	82,461	115,151	7,122,467
Nuclear	-	-	-	-	17,165,764	-	-	-	-	-	17,299,712	-	19,553,427	-	-	54,018,903	594,217,691
<b>Total</b>	<b>5,407,850</b>	<b>14,247,842</b>	<b>847,269</b>	<b>-</b>	<b>17,165,764</b>	<b>3,043,331</b>	<b>614,388</b>	<b>822,951</b>	<b>-</b>	<b>11,305,786</b>	<b>17,299,712</b>	<b>397</b>	<b>19,553,427</b>	<b>1,005,528</b>	<b>91,236</b>	<b>91,405,481</b>	<b>983,776,179</b>
<b>Net Generation (mWh)</b>																	
Coal	546,070	1,557,707	89,754			311,202	54,798	69,840		1,212,663				90,938		3,932,972	39,592,916
Biomass	-	-	271			-	-	-		-				-	-	271	9,119
Fuel Oil	-	-	(22)	(138)		-	(33)	25	(1,059)	-		(416)		(103)	728	(1,018)	(9,500)
Gas	-	-	-	-		-	-	3,276	-	-		-		-	6,838	10,114	612,241
Nuclear	-	-	-	-	1,739,073	-	-	-	-	-	1,727,672	-	1,944,318	-	-	5,411,063	58,757,530
<b>Total</b>	<b>546,070</b>	<b>1,557,707</b>	<b>90,003</b>	<b>(138)</b>	<b>1,739,073</b>	<b>311,202</b>	<b>54,765</b>	<b>73,141</b>	<b>(1,059)</b>	<b>1,212,663</b>	<b>1,727,672</b>	<b>(416)</b>	<b>1,944,318</b>	<b>90,835</b>	<b>7,566</b>	<b>9,353,402</b>	<b>98,962,306</b>
<b>Cost of Reagents Burned (\$)</b>																	
Ammonia	-	543,102	-			83,566	-	-		-				-	-	626,687	5,158,478
Limestone	246,931	334,543	-			-	-	-		419,908				-	-	1,102,772	13,141,676
Urea	136,258	-	-			491,770	-	-	(771)	-				-	-	627,257	4,759,734
Organic Acid	-	-	-			-	-	-		-				-	-	-	-
<b>Total</b>	<b>383,189</b>	<b>877,645</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>575,336</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>419,137</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,356,696</b>	<b>23,059,888</b>

(A) Cost of fuel burned excludes \$9,616 associated with emission allowance expense for the month and \$283,429 for the twelve months ended.

(B) Cents/kWh not computed when costs and/or net generation is negative.

(C) Activity at Buzzard Roost reflects sale of fuel oil inventory.

**Notes:**

Detail amounts may not add to totals shown due to rounding.

Fuel costs based on recoverability unless otherwise noted. Data reflected at 100% ownership.

Coal Inventory Ending Balance excludes 7,585 tons and \$386,234 associated with terminals for the current month.

DUKE ENERGY CAROLINAS  
FUEL AND FUEL RELATED CONSUMPTION AND INVENTORY REPORT  
December 2010

Description	Allen Steam	Belews Creek Steam	Buck Steam/CT	Buzzard Roost CT	Cliffside Steam	Dan River Steam/CT	Lee Steam/CT	Lincoln CT	Marshall Steam	Mill Creek CT	Riverbend Steam/CT	Rockingham CT	Current Month	Total 12 ME December 2010
<b>Coal Data:</b>														
Beginning balance	384,627	533,368	176,311		314,253	105,704	167,984		1,013,295		172,840		2,868,381	4,388,307
Tons received during period	67,445	496,821	28,661		69,755	9,919	23,197		363,862		23,617		1,083,278	13,598,460
Moisture adjustments	(702)	(1,335)	-		(401)	-	-		(1,407)		-		(3,845)	(7,868)
Tons burned during period (A)	221,984	625,770	9,548		132,625	19,886	18,212		480,481		52,049		1,560,554	15,591,640
Ending balance	229,386	403,085	195,425		250,981	95,737	172,969		895,269		144,408		2,387,260	2,387,260
MBTUs per ton burned	24.29	22.75	87.56		22.94	30.55	42.74		23.51		19.03		23.83	24.45
Cost of ending inventory (\$/ton)	98.32	97.22	93.91		93.27	98.45	93.38		90.26		91.25		93.44	93.44
<b>Biomass/Test Fuel Data:</b>														
Beginning balance			381				3,141						3,522	614
Tons received during period			26				-						26	15,184
Inventory adjustments			1				-						1	(617)
Tons burned during period			408				-						408	12,040
Ending balance			-				3,141						3,141	3,141
Cost of ending inventory (\$/ton)			-				43.84						43.84	43.84
<b>Fuel Oil Data:</b>														
Beginning balance	61,169	229,216	316,647	1,513,569	57,044	216,786	526,956	8,671,215	294,343	3,933,547	225,136	2,254,372	18,300,000	18,849,966
Gallons received during period	165,111	97,827	-	-	30,504	-	112,866	-	115,492	-	53,535	-	575,335	8,039,475
Miscellaneous usage, transfers and adjustments (C)	(12,254)	(9,414)	(2,081)	(1,089,379)	(5,049)	(2,556)	(3,750)	-	(23,585)	-	(1,476)	-	(1,149,544)	(1,608,746)
Gallons burned during period	119,446	70,596	56,828	-	2,537	50,395	86,449	-	68,703	2,851	109,072	62,755	629,632	8,184,536
Ending balance	94,580	247,033	257,738	424,190	79,962	163,835	549,623	8,671,215	317,547	3,930,696	168,123	2,191,617	17,096,159	17,096,159
Cost of ending inventory (\$/gal)	2.48	2.39	2.21	0.80	2.33	2.28	2.19	1.60	2.35	1.25	2.23	2.34	1.67	1.67
<b>Gas Data: (B)</b>														
Beginning balance														
MCF received during period			-	-		-	32,207	-		-	-	80,844	113,051	6,990,560
MCF burned during period			-	-		-	32,207	-		-	-	80,844	113,051	6,990,560
Ending balance														
Cost of ending inventory (\$/mcf)														
<b>Limestone Data:</b>														
Beginning balance	21,742	25,124			10,396				57,131				114,393	63,639
Tons received during period	-	6,403			-				7,376				13,779	490,932
Tons burned during period (A)	7,635	11,442			4,033				13,733				36,843	463,242
Ending balance	14,106	20,084			6,363				50,775				91,329	91,329
Cost of ending inventory (\$/ton)	32.35	28.22			25.14				30.03				29.65	29.65

(A) Twelve months ended includes aerial survey adjustment(s) reflected in the tons burned and cost of inventory lines for coal and limestone.

(B) Gas is burned as received; therefore, inventory balances are not maintained.

(C) Activity at Buzzard Roost reflects sale of fuel oil inventory.

**Notes:**

Detail amounts may not add to totals shown due to rounding.

Coal Inventory Ending Balance excludes 7,585 tons and \$386,234 associated with terminals for the current month.

**DUKE ENERGY CAROLINAS**  
**ANALYSIS OF COAL PURCHASES**  
**December 2010**

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ALLEN	SPOT	1,094	\$ 259,042.58	\$ 236.70
	CONTRACT	66,351	6,271,854.76	94.53
	ADJUSTMENTS	-	415,965.89	-
	TOTAL	67,445	6,946,863.23	103.00
BELEWS CREEK	SPOT	44,305	3,692,570.89	83.34
	CONTRACT	452,517	42,614,272.90	94.17
	ADJUSTMENTS	-	1,909,940.25	-
	TOTAL	496,821	48,216,784.04	97.05
BUCK	SPOT	-	-	-
	CONTRACT	28,661	2,548,033.66	88.90
	ADJUSTMENTS	-	65,471.62	-
	TOTAL	28,661	2,613,505.28	91.19
CLIFFSIDE	SPOT	-	(13,145.29)	-
	CONTRACT	69,755	5,753,671.65	82.48
	ADJUSTMENTS	-	242,653.53	-
	TOTAL	69,755	5,983,179.89	85.77
DAN RIVER	SPOT	-	-	-
	CONTRACT	9,919	851,485.30	85.84
	ADJUSTMENTS	-	65,545.99	-
	TOTAL	9,919	917,031.29	92.45
LEE	SPOT	-	-	-
	CONTRACT	23,197	2,134,018.35	91.99
	ADJUSTMENTS	-	47,283.25	-
	TOTAL	23,197	2,181,301.60	94.03
MARSHALL	SPOT	44,465	4,080,430.10	91.77
	CONTRACT	319,397	27,208,773.34	85.19
	ADJUSTMENTS	-	976,390.05	-
	TOTAL	363,862	32,265,593.49	88.68
RIVERBEND	SPOT	11,629	1,019,309.61	87.65
	CONTRACT	11,988	1,043,863.19	87.08
	ADJUSTMENTS	-	22,710.18	-
	TOTAL	23,617	2,085,882.98	88.32
ALL PLANTS	SPOT	101,493	9,038,207.89	89.05
	CONTRACT	981,785	88,425,973.15	90.07
	ADJUSTMENTS	-	3,745,960.76	-
	TOTAL	1,083,278	\$ 101,210,141.80	\$ 93.43

<b>SCHEDULE 8</b>
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**Duke Energy Carolinas**  
**Analysis of Quality of Coal Received**  
**December 2010**

<b>Station</b>	<b><u>Percent Moisture</u></b>	<b><u>Percent Ash</u></b>	<b><u>Heat Value</u></b>	<b><u>Percent Sulfur</u></b>
Allen	7.41	11.42	12,151	0.94
Belews Creek	7.02	11.15	12,240	0.88
Buck	7.59	12.52	11,866	0.69
Cliffside	7.20	10.96	12,242	0.96
Dan River	7.51	12.25	11,862	0.68
Lee	7.54	10.34	12,216	0.73
Marshall	7.48	10.31	12,356	1.43
Riverbend	5.76	11.80	12,283	1.02

Duke Energy Carolinas  
Analysis of Cost of Oil Purchases  
December 2010

Station	Allen	Belews Creek	Cliffside	Lee	Marshall	Riverbend
Vendor	HighTowers	HighTowers	HighTowers	HighTowers	High Towers	HighTowers
Spot / Contract	Contract	Contract	Contract	Contract	Contract	Contract
Sulfur Content %	0.00	0.00	0.00	0.01	0.01	0.01
Gallons Received	165,111	97,827	30,504	112,866	115,492	53,535
Total Delivered Cost	\$ 416,762.31	\$ 250,429.56	\$ 79,234.02	\$ 284,132.67	\$ 289,607.73	\$ 135,297.67
Delivered Cost/Gal	\$ 2.52	\$ 2.56	\$ 2.60	\$ 2.52	\$ 2.51	\$ 2.53
BTU/Gallon	137,610	137,330	137,720	138,250	137,660	137,890

DUKE ENERGY CAROLINAS  
POWER PLANT PERFORMANCE DATA  
TWELVE MONTHS SUMMARY

January,2010 - December,2010

<u>Plant Name</u>	<u>Generation MWH</u>	<u>Capacity Rating MW</u>	<u>Capacity Factor %</u>	<u>Net Equivalent Availability %</u>
Oconee	20,943,025	2,538	94.20	92.21
McGuire	18,850,426	2,200	97.81	93.84
Catawba	18,964,079	2,258	95.87	93.87

**Duke Energy Carolinas**  
**Power Plant Performance Data**  
**Twelve Month Summary**  
**January 2010 through December 2010**  
**Steam Units**

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Belews Creek 1	8,354,413	1,110	85.92	92.56
Belews Creek 2	6,356,717	1,110	65.37	72.41



**Duke Energy Carolinas**  
**Power Plant Performance Data**  
**Twelve Month Summary**  
**January 2010 through December 2010**  
**Steam Units**

<b>Unit Name</b>	<b>Net Generation (mWh)</b>	<b>Capacity Rating (mW)</b>	<b>Capacity Factor (%)</b>	<b>Equivalent Availability (%)</b>
Cliffside 5	2,514,574	562	51.08	64.30
Marshall 1	1,925,699	380	57.85	88.00
Marshall 2	1,747,382	380	52.49	88.18
Marshall 3	4,290,779	658	74.44	92.45
Marshall 4	4,811,737	660	83.23	94.01

**Duke Energy Carolinas  
Power Plant Performance Data**

**Twelve Month Summary  
January 2010through December 2010**

**Other Cycling Coal Units**

<b>Unit Name</b>	<b>Net Generation (mWh)</b>	<b>Capacity Rating (mW)</b>	<b>Capacity Factor (%)</b>	<b>Operating Availability (%)</b>
Allen 1	672,523	162	47.32	92.77
Allen 2	597,457	162	42.04	91.41
Allen 3	1,437,545	261	62.79	90.93
Allen 4	1,468,005	276	60.64	88.53
Allen 5	1,297,851	266	55.63	88.55
Buck 3	65,300	75	9.94	98.97
Buck 4	36,115	38	10.85	99.11
Buck 5	537,204	128	47.91	87.28
Buck 6	498,306	128	44.44	88.36
Cliffside 1	6,232	38	1.87	96.95
Cliffside 2	6,863	38	2.06	96.94
Cliffside 3	16,839	61	3.15	96.48
Cliffside 4	17,240	61	3.23	12.35
Dan River 1	96,098	67	16.37	96.64
Dan River 2	98,724	67	16.82	94.13
Dan River 3	400,309	142	32.18	89.40
Lee 1	240,264	100	27.43	94.08
Lee 2	248,022	100	28.31	92.04
Lee 3	579,209	170	38.89	93.64
Riverbend 4	238,014	94	28.90	97.35
Riverbend 5	227,699	94	27.65	97.42
Riverbend 6	403,714	133	34.65	96.70
Riverbend 7	411,201	133	35.29	95.25

**Duke Energy Carolinas**  
**Power Plant Performance Data**  
**Twelve Month Summary**  
**January,2010 through    December,2010**  
**Combustion Turbines**

<b>Station Name</b>	<b>Net Generation (mWh)</b>	<b>Capacity Rating (mW)</b>	<b>Operating Availability (%)</b>
Buck CT	-370	62	99.45
Buzzard Roost CT	-1,302	186	99.83
Dan River CT	-411	48	98.33
Lee CT	5,485	82	98.91
Lincoln CT	72,681	1,264	98.39
Mill Creek CT	90,884	592	99.18
Riverbend CT	-942	64	99.15
Rockingham CT	436,716	825	86.75

## Power Plant Performance

12 Months Ended December 2010

Name of Plant	Generation (MWH)	Capacity Rating (MW)	Operating Availability (%)
Conventional Hydro Plants			
Bridgewater	57,055	23.000	92.98
Cedar Creek	139,207	45.000	99.43
Cowans Ford	158,899	325.000	97.01
Dearborn	143,863	42.000	98.56
Fishing Creek	137,826	49.000	99.22
Gaston Shoals	13,788	4.600	48.47
Great Falls	6,132	24.000	40.41
Keowee	73,463	157.500	93.82
Lookout Shoals	87,766	27.000	91.09
Mountain Island	112,499	62.000	98.29
Ninety Nine Island	69,862	18.000	60.95
Oxford	105,080	40.000	94.25
Rhodhiss	62,164	30.500	97.44
Rocky Creek	(944)	28.000	-
Tuxedo	16,672	6.400	52.58
Wateree	201,972	85.000	92.07
Wylie	138,718	72.000	97.86
Nantahala	203,012	50.000	94.25
Queens Creek	3,300	1.440	99.73
Thorpe	70,619	19.700	95.65
Tuckasegee	6,172	2.500	94.81
Tennessee Creek	23,463	9.800	72.13
Bear Creek	26,548	9.450	96.58
Cedar Cliff	19,719	6.380	96.61
Mission	3,147	1.800	91.45
Franklin	(9)	1.040	50.00
Bryson	421	1.040	85.39
Dillsboro	-	0.230	50.00
Total Conventional	<u>1,880,415</u>		
Pumped Storage Plants			
Jocassee	925,837	730.000	83.48
Bad Creek	<u>2,041,348</u>	1,360.000	95.07
Total	<u>2,967,185</u>		
Less Energy for Pumping			
Jocassee	(1,077,790)		
Bad Creek	<u>(2,578,364)</u>		
Total	<u>(3,656,154)</u>		
Total Pumped Storage			
Jocassee	(151,953)		
Bad Creek	<u>(537,016)</u>		
Total	<u>(688,969)</u>		

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN

PERIOD: December, 2010

PLANT	UNIT	DATE OF OUTAGE	DURATION OF OUTAGE	SCHEDULED / UNSCHEDULED	CAUSE OF OUTAGE	REASON OUTAGE OCCURRED	REMEDIAL ACTION TAKEN
Oconee	1	None					
	2	None					
	3	None					
McGuire	1	None					
	2	None					
Catawba	1	None					
	2	None					

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

**December 2010**

**Belews Creek Steam Station**

<b>Unit</b>	<b>Duration of Outage</b>	<b>Type of Outage</b>	<b>Cause of Outage</b>	<b>Reason Outage Occurred</b>	<b>Remedial Action Taken</b>
01	12/16/2010 11:42:00 PM To 12/18/2010 5:39:00 PM	Unsch	1060 FIRST REHEATER LEAKS	reheat tube leak	

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN

December, 2010  
Oconee Nuclear Station

	UNIT 1		UNIT 2		UNIT 3	
(A) MDC (MW)	846		846		846	
(B) Period Hours	744		744		744	
(C1) Net Gen (MWH) and Capacity Factor	642485	102.08	648594	103.05	653239	103.78
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	0	0.00	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	0	0.00	0	0.00	0	0.00
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	0	0.00	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-13061	-2.08	-19170	-3.05	-23815	-3.78
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00	0	0.00
* (G) Core Conservation	0	0.00	0	0.00	0	0.00
(H) Net MWH Possible In Period	629424	100.00 %	629424	100.00 %	629424	100.00 %
(I) Equivalent Availability		100.00		100.00		100.00
(J) Output Factor		102.08		103.05		103.78
(K) Heat Rate		10,144		10,048		9,980

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN

December, 2010  
McGuire Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1100		1100	
(B) Period Hours	744		744	
(C1) Net Gen (MWH) and Capacity Factor	865159	105.71	862513	105.39
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	0	0.00	0	0.00
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-46759	-5.71	-44113	-5.39
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	818400	100.00 %	818400	100.00 %
(I) Equivalent Availability		100.00		100.00
(J) Output Factor		105.71		105.39
(K) Heat Rate		9,995		10,032

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses



DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN

December, 2010  
Catawba Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1129		1129	
(B) Period Hours	744		744	
(C1) Net Gen (MWH) and Capacity Factor	870813	103.67	868260	103.37
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	0	0.00	0	0.00
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-30837	-3.67	-28284	-3.37
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	839976	100.00 %	839976	100.00 %
(I) Equivalent Availability		100.00		100.00
(J) Output Factor		103.67		103.37
(K) Heat Rate		9,922		9,819

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

**December 2010**

**Belews Creek Steam Station**

	<u>Unit 1</u>	<u>Unit 2</u>
(A) MDC (mw)	1,110	1,110
(B) Period Hrs	744	744
(C1) Net Generation (mWh)	742,456	815,251
(C1) Capacity Factor	89.90	98.72
(D1) Net mWh Not Generated due to Full Scheduled Outages	0	0
(D1) Scheduled Outages: percent of Period Hrs	0.00	0.00
(D2) Net mWh Not Generated due to Partial Scheduled Outages	0	0
(D2) Scheduled Derates: percent of Period Hrs	0.00	0.00
(E1) Net mWh Not Generated due to Full Forced Outages	46,565	0
(E1) Forced Outages: percent of Period Hrs	5.64	0.00
(E2) Net mWh Not Generated due to Partial Forced Outages	1,622	22
(E2) Forced Derates: percent of Period Hrs	0.20	0.00
(F) Net mWh Not Generated due to Economic Dispatch	35,198	10,567
(F) Economic Dispatch: percent of Period Hrs	4.26	1.28
(G) Net mWh Possible in Period	825,840	825,840
(H) Equivalent Availability	94.17	100.00
(I) Output Factor (%)	95.28	98.72
(J) Heat Rate (BTU/NkWh)	9,112	9,178

\*Estimated

Footnote: (J) Includes Light Off BTU's

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

Exhibit B  
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**December 2010  
Marshall Steam Station**

	Marshall 1	Marshall 2	Marshall 3	Marshall 4
(A) MDC (mWh)	380	380	658	660
(B) Period Hrs	744	744	744	744
(C1) Net Generation (mWh)	195,664	125,822	438,664	452,513
(D) Net mWh Possible in Period	282,720	282,720	489,552	491,040
(E) Equivalent Availability	95.61	95.98	99.85	99.68
(F) Output Factor (%)	78.79	77.35	90.40	92.15
(G) Capacity Factor	69.21	44.50	89.61	92.15

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

Exhibit B  
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**December 2010  
Cliffside Steam Station**

Cliffside 5

(A) MDC (mWh)	562
(B) Period Hrs	744
(C1) Net Generation (mWh)	311,545
(D) Net mWh Possible in Period	418,128
(E) Equivalent Availability	99.67
(F) Output Factor (%)	75.55
(G) Capacity Factor	74.51

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN

January, 2010 - December, 2010  
Oconee Nuclear Station

	UNIT 1		UNIT 2		UNIT 3	
(A) MDC (MW)	846		846		846	
(B) Period Hours	8760		8760		8760	
(C1) Net Gen (MWH) and Capacity Factor	7433769	100.31	6730749	90.82	6778507	91.47
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	715225	9.65	566101	7.64
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	1641	0.02	5484	0.07	13397	0.18
(E1) Net MWH Not Gen Due To Full Forced Outages	54186	0.73	71005	0.96	169344	2.29
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-78636	-1.06	-111503	-1.50	-116389	-1.58
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00	0	0.00
* (G) Core Conservation	0	0.00	0	0.00	0	0.00
(H) Net MWH Possible In Period	7410960	100.00 %	7410960	100.00 %	7410960	100.00 %
(I) Equivalent Availability		98.76		88.74		89.13
(J) Output Factor		101.05		101.60		101.54
(K) Heat Rate		10,205		10,124		10,089

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN

January, 2010 - December, 2010  
McGuire Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1100		1100	
(B) Period Hours	8760		8760	
(C1) Net Gen (MWH) and Capacity Factor	8835731	91.70	10014695	103.93
(D1) Net MWH Not Gen Due To Full Scheduled Outages	897468	9.31	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	32166	0.33	1109	0.01
(E1) Net MWH Not Gen Due To Full Forced Outages	181082	1.88	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-310447	-3.22	-379804	-3.94
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	9636000	100.00 %	9636000	100.00 %
(I) Equivalent Availability		87.85		99.84
(J) Output Factor		103.25		103.93
(K) Heat Rate		10,136		10,153

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN

January, 2010 - December, 2010  
Catawba Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1129		1129	
(B) Period Hours	8760		8760	
(C1) Net Gen (MWH) and Capacity Factor	9889074	99.99	9075005	91.76
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	789250	7.98
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	1486	0.02	77934	0.79
(E1) Net MWH Not Gen Due To Full Forced Outages	147560	1.49	123230	1.25
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-148080	-1.50	-175379	-1.78
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	9890040	100.00 %	9890040	100.00 %
(I) Equivalent Availability		97.68		90.07
(J) Output Factor		101.50		101.09
(K) Heat Rate		10,056		10,042

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

**January 2010 through December 2010**

**Belews Creek Steam Station**

	<u>Unit 1</u>	<u>Unit 2</u>
(A) MDC (mw)	1,110	1,110
(B) Period Hrs	8,760	8,760
(C1) Net Generation (mWh)	8,354,413	6,356,717
(C1) Capacity Factor	85.92	65.37
(D1) Net mWh Not Generated due to Full Scheduled Outages	220,946	2,323,509
(D1) Scheduled Outages: percent of Period Hrs	2.27	23.90
(D2) Net mWh Not Generated due to Partial Scheduled Outages	11,749	1,372
(D2) Scheduled Derates: percent of Period Hrs	0.12	0.01
(E1) Net mWh Not Generated due to Full Forced Outages	418,341	299,995
(E1) Forced Outages: percent of Period Hrs	4.30	3.09
(E2) Net mWh Not Generated due to Partial Forced Outages	72,637	57,565
(E2) Forced Derates: percent of Period Hrs	0.75	0.59
(F) Net mWh Not Generated due to Economic Dispatch	645,514	684,443
(F) Economic Dispatch: percent of Period Hrs	6.64	7.04
(G) Net mWh Possible in Period	9,723,600	9,723,600
(H) Equivalent Availability	92.56	72.41
(I) Output Factor (%)	94.21	89.95
(J) Heat Rate (BTU/NkWh)	9,192	9,367

\*Estimated

Footnote: (J) Includes Light Off BTU's



**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

Exhibit B  
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**January 2010 through December 2010**

**Marshall Steam Station**

	Marshall 1	Marshall 2	Marshall 3	Marshall 4
(A) MDC (mWh)	380	380	658	660
(B) Period Hrs	8,760	8,760	8,760	8,760
(C1) Net Generation (mWh)	1,925,699	1,747,382	4,290,779	4,811,737
(D) Net mWh Possible in Period	3,328,800	3,328,800	5,764,080	5,781,600
(E) Equivalent Availability	88.00	88.18	92.45	94.01
(F) Output Factor (%)	79.94	79.61	87.38	88.19
(G) Capacity Factor	57.85	52.49	74.44	83.23

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

Exhibit B  
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**January 2010 through December 2010**

**Cliffside Steam Station**

Cliffside 5

(A) MDC (mWh)	562
(B) Period Hrs	8,760
(C1) Net Generation (mWh)	2,514,574
(D) Net mWh Possible in Period	4,923,120
(E) Equivalent Availability	64.30
(F) Output Factor (%)	81.61
(G) Capacity Factor	51.08

DUKE ENERGY CAROLINAS  
Outages for 100MW or Larger Units  
December,2010

Full Outage Hours					
	Unit	MW	Scheduled	Unscheduled	Total
Oconee	1	846	0.00	0.00	0.00
	2	846	0.00	0.00	0.00
	3	846	0.00	0.00	0.00
McGuire	1	1100	0.00	0.00	0.00
	2	1100	0.00	0.00	0.00
Catawba	1	1129	0.00	0.00	0.00
	2	1129	0.00	0.00	0.00

**Duke Energy Carolinas**  
**Outages for 100 mW or Larger Units**  
**December 2010**

Unit Name	Capacity Rating (mW)	Full Outage Hours		Total Outage Hours
		Scheduled	Unscheduled	
Allen 1	162	9.50	0.00	9.50
Allen 2	162	0.00	4.12	4.12
Allen 3	261	34.50	0.00	34.50
Allen 4	276	0.00	111.78	111.78
Allen 5	266	37.00	21.10	58.10
Belews Creek 1	1,110	0.00	41.95	41.95
Belews Creek 2	1,110	0.00	0.00	0.00
Buck 5	128	0.00	17.55	17.55
Buck 6	128	0.00	53.75	53.75
Cliffside 5	562	0.00	0.00	0.00
Dan River 3	142	0.00	65.93	65.93
Lee 1	100	11.00	54.70	65.70
Lee 2	100	39.25	20.32	59.57
Lee 3	170	0.00	5.88	5.88
Marshall 1	380	32.40	0.00	32.40
Marshall 2	380	24.18	0.00	24.18
Marshall 3	658	0.00	0.00	0.00
Marshall 4	660	0.00	0.00	0.00
Riverbend 6	133	23.00	6.33	29.33
Riverbend 7	133	11.40	0.00	11.40
Rockingham CT1	165	4.73	0.00	4.73
Rockingham CT2	165	4.73	0.00	4.73
Rockingham CT3	165	4.73	1.52	6.25
Rockingham CT4	165	394.08	0.00	394.08
Rockingham CT5	165	0.00	0.00	0.00